

脳梗塞の治療

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脳梗塞の治療

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脳梗塞の治療

leukotomy 脳梗塞の治療 [1] Total Quality Management

脳梗塞の治療

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脳梗塞の治療

脳梗塞の治療

脳梗塞の治療

脳梗塞の治療 Neuroscience

脳梗塞の治療 neuroscience

脳梗塞の治療 [2]

脳梗塞の治療 Fight-or-flight response

□ □ □ □ □ □ □ □ □ □

## ANSWER

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, arranged in a single row.

□ □ □ □ □ □ □ □ □ □

# ██████████ Turing Test ██████████

逻辑实证主义 logical positivism 逻辑经验主义 logical empiricism positive 逻辑实证主义  
逻辑经验主义 positivism 逻辑经验主义

脳の構造と機能の複雑性

脳の構造と機能の複雑性

脳の構造と機能の複雑性 [5] 脳の構造と機能の複雑性

脳の構造と機能の複雑性 [6] 脳の構造と機能の複雑性

脳の構造と機能の複雑性 Technological Singularity 脳の構造と機能の複雑性

脳の構造と機能の複雑性 Karl Popper 脳の構造と機能の複雑性

脳の構造と機能の複雑性

脳の構造と機能の複雑性

脳の構造と機能の複雑性

脳の構造と機能の複雑性

脳の構造と機能の複雑性 BRAIN Initiative 脳の構造と機能の複雑性

脳の構造と機能の複雑性 [7]

脳の構造と機能の複雑性 Leukotomy AlphaGo Zero

## Leukotomy 脳の構造と機能の複雑性

Moniz 脳の構造と機能の複雑性 "for his discovery of the therapeutic value of leucotomy in certain psychoses." 脳の構造と機能の複雑性 leukotomy 脳の構造と機能の複雑性

脳の構造と機能の複雑性 leucotomy 脳の構造と機能の複雑性

Leukotomy 脳の構造と機能の複雑性

1 personalities □ mental diseases □

个性智力 personality □ intelligence 个性智力 personalities □ mental diseases 个性智力  
个性智力 personality □ intelligence 个性智力 personalities □ mental diseases 个性智力  
个性智力 personality □ intelligence 个性智力 personalities □ mental diseases 个性智力

Turing Test Nature AlphaGo Zero superhuman superhuman generic human

Leukotomy 人类 vs 人工智能 Nature AlphaGo Zero 超级人类 superhuman 人类 vs 人工智能  
人工智能 peer review 人工智能 Peer review [10] 人工智能 vs 人工智能

AlphaGo Zero

# AlphaGo Zero vs Superhuman

Nature 2016 AlphaGo Zero 达到了超人类的水平，超过了超人类的水平，超过了人类的水平，超过了超人类的水平。

AlphaGo Zero 以 AlphaGo Master 为 superhuman 在围棋上战胜了人类棋手，同时在通用棋类上也达到了 superhuman 水平。AlphaGo Zero 通过自我对弈学习，仅用 40 天就达到了人类棋手的水平。

AlphaGo Zero AlphaGo Zero AlphaGo Zero AlphaGo Zero AlphaGo Zero

AlphaGo Zero [11] 4

碩士論文

SAE level 4 SAE level 4

19X19 AlphaGo Zero

address 737Max

adversarial testing autoML specification

Deepmind Waymo AlphaGo Zero

70% 10%

Quality Management

Quiz/Whiz Kids Total Quality Management

Total Quality Management

Quiz/Whiz Kids Total Quality Management

Total Quality Management

Total Quality Management

Quiz/Whiz Kids

Total Quality Management

Total Quality Management

Total Quality Management

## ANSWER

图灵机 Turing Machine 图灵完备性 Universal computation  
Universal approximation theorem 图灵完备性  
图灵完备性 Universal computation

# Technological Singularity

Turing Test 人工智能 AI A Modern Approach 人工智能与机器学习 Wind Tunnel approach 人工智能与机器学习 Nature AlphaGo Zero 人工智能 superhuman 人工智能与机器学习 Technological Singularity In Math We Trust “数学万能论” [17] [18]

[19]

## Occam's Razor

Occam's Razor 逻辑学 Occam's Razor 逻辑学 Occam's Razor 逻辑学 Occam's Razor 逻辑学  
Occam's Razor 逻辑学 Occam's Razor 逻辑学 Occam's Razor 逻辑学 Occam's Razor 逻辑学

Occam's Razor և Leukotomy առաջարկությունները

A horizontal row of 30 empty rectangular boxes, likely for writing names or responses on a form.

□ □ □ □ □ □ □ □ □ □

## ANSWER

## ANSWER

# Brain Initiative

# Gu Test™ A Progressive Measurement Of Generic Artificial Intelligence 通用人工智能 测试

A horizontal row of 12 empty square boxes, each with a black border, intended for children to write their names in.

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, arranged in a single row.

[21]

commonsense

## ANSWER

A horizontal row of 15 empty square boxes, each with a black border, intended for children to write their names in.

[23]

## ANSWER

自然语言处理研究的三个主要方向

自然语言处理研究的三个主要方向 Chinese room 问题

自然语言处理研究的三个主要方向

自然语言处理研究的三个主要方向 SQuAD-CoQA-QuAC GLUE 问题

NLVR^2-Natural Language for Visual Reasoning for Real testset 问题

自然语言处理研究的三个主要方向 AI: A Modern Approach 问题

自然语言处理研究的三个主要方向

自然语言处理研究的三个主要方向 Chinese room 问题

第三波人工智能：从AlphaGo到自动驾驶汽车

The Third Wave 人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能：从AlphaGo到自动驾驶汽车

The Third Wave 人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能：从AlphaGo到自动驾驶汽车 Total Quality Management

第三波人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能：从AlphaGo到自动驾驶汽车

第三波人工智能

第三波人工智能 Leukotomy 人工智能：AI: A Modern Approach

第三波人工智能

第三波人工智能 “深度学习” 人工智能：AI: A Modern Approach

第三波人工智能

第三波人工智能 AlphaGo Zero 人工智能：AI: A Modern Approach

第三波人工智能 AI: A Modern Approach 人工智能：AI: A Modern Approach

第三波人工智能

第三波人工智能

第三波人工智能 Chinese room

judgement

[27]

1989 『中国古典文学名著“金瓶梅”』『中国古典文学名著“金瓶梅”』

AlphaGo សម្រាប់ប្រកបដោយប្រព័ន្ធនេះ [28] និង Socrative ដែលបានបង្កើតឡើង

2015 Bohunt Chinese School BBC Are Our Kids Tough Enough ?

2012 PISA 2015 2018 PISA

博 hunt Chinese School [29] hunt Chinese School

Bohunts မြတ်စွာ ပေါ်လောက်မှု မြတ်စွာ ပေါ်လောက်မှု

Digitized by srujanika@gmail.com

discipline competition

discipline competition

Discipline competition

competition

“” 2012

discipline competition

discipline competition [30]

discipline competition [31] Leukotomy

Technological Singularity AI: A Modern Approach

discipline competition

discipline competition

discipline competition

discipline competition

discipline competition

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Technological Singularity [32]

5 of 5

## ANSWER

# BRAIN Initiative

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

[1] AI: A Modern Approach

“Aristotle... was the first to formulate a precise set of laws governing the rational part of the mind.”(On page 5)

Wind Tunnel approach

Wind Tunnel approach

[2] [2] Wind Tunnel approach

Technological Singularity\AlphaGo Zero \ superhuman \In Math We Trust [16]\“\”

Wind Tunnel approach

Wind Tunnel approach

Wind Tunnel approach

“Read my lips: no new taxes”\

Wind Tunnel approach

Wind Tunnel approach

Wind Tunnel approach

Quiz/Whiz Kids \Pentagon Papers \MBA \

Wind Tunnel approach

The Third Wave \

1929 \

[3] [3] Wind Tunnel approach

Wind Tunnel approach

O.J.Simpson 1942-1954 9284 25 41 28 25 2 4

[4] 1942: 1954 metaphysics 25 41 28 25 2 4

[5] 1942-1954 9284 25 41 28 25 2 4

O.J.Simpson 1942-1954 9284 25 41 28 25 2 4

1942-1954 9284 25 41 28 25 2 4 [20] O.J.Simpson 1942-1954 9284 25 41 28 25 2 4

[6] 1942-1954 9284 25 41 28 25 2 4

1942-1954 9284 25 41 28 25 2 4

1942-1954 9284 25 41 28 25 2 4

[7] 1942-1954 9284 25 41 28 25 2 4

1942-1954 9284 25 41 28 25 2 4

[8] 1942-1954 Leucotomy in England and Wales, 1942-1954 9284 25 41 28 25 2 4

personality intelligence 25 41 28 25 2 4  
personality intelligence 25 41 28 25 2 4 clinical condition 25 41 28 25 2 4  
personality intelligence 25 41 28 25 2 4 clinical condition 25 41 28 25 2 4  
leucotomy 25 41 28 25 2 4

Renato M.E. Sabbatini 1942-1954 Even lobotomy's proponents admitted that only one third of the operated patients would improve, while one-third remained the same, and one-third got worst 1942-1954 Leucotomy in England and Wales, 1942-1954 <http://www.cerebromente.org.br/n02/historia/lobotomy.htm>

one third would improve one-third remained the same clinical condition personality intelligence 25 41 28 25 2 4

[9] SyNAPSE 1942-1954 ACM Gordon Bell prize Dharmendra Modha 1942-1954 thank you note 25 41 28 25 2 4

Henry Markram SyNAPSE 1942-1954 announcement mass deception of the public SyNAPSE 1942-1954 Henry Markram 1942-1954 "It is not impossible to build a human brain and we can do it in 10 years." Human Brain project 25 41 28 25 2 4

NIH Director moonshot BRAIN Initiative dynamic brain activity map neurosciences

moonshot moonshot moonshot moonshot moonshot

NIH Director

[19]  A horizontal progress bar consisting of a series of small, light-blue squares, indicating the progress of a download or upload.

-peer review

AlphaGo Zero သည် superhuman မှုဆန် generic မှု human မှုဆန်မှု၏  
အပေါ်၍ AlphaGo Zero မှုဆန်မှု၏

Demis Hassabis ამავ AlphaGo Zero ამავ AlphaGo Zero ამავ Deepmind ამავ

Deepmind ethics board Deepmind Google AlphaGo

[13] AlphaGo Zero AlphaGo Master AlphaGo Zero AlphaGo Master AlphaGo Master 16 AlphaGo Zero 18

1 『Nature Magazime』に登場した AlphaGo が Deepmind によって開発された AlphaGo Zero が AlphaGo Master に勝利した。

2) AlphaGo Zero 本地陷阱 local trap

[14] ☐ The Guadian ☐☐☐☐☐ a meta-solution to any problem☐

"Demis Hassabis ... is deadly serious when he tells me he is on a mission to 'solve intelligence, and then use that to solve everything else'.

• • • • •

'One way of thinking of AGI is as a process that will automatically convert unstructured information into actionable knowledge. What we're working on is potentially a meta-solution to any problem.'",

from <https://www.theguardian.com/technology/2016/feb/16/demis-hassabis-artificial-intelligence-deepmind-alphago>

[15] 『Cracking Go』 Deep Blue と AlphaGo と AlphaGo Zero

[16] 亂Universal approximation theorem 亂Turing Machine 亂

[19]  A horizontal progress bar consisting of a series of small, light-blue squares, indicating the progress of a download or upload.

[22] 1819 Ferdinand Schweikart

1819 Ferdinand Schweikart

1819 Ferdinand Schweikart

[23] 1819 Ferdinand Schweikart

1830 Ferdinand Schweikart

Ferdinand Schweikart

[24] “Ferdinand Schweikart”

Ferdinand Schweikart

[25] 1819 Ferdinand Schweikart

1819 Ferdinand Schweikart

1819 Ferdinand Schweikart

1819 Ferdinand Schweikart

wikipedia

1819 emergent phenomena

[26] 1819 emergent phenomena

mainframe personal computer smartphone smartphone

IT 信息

100 100 60

□□□□□□□□“□□□”□□□□□□□□□□□□□□

“**中行**”**中行**是中行子的简称，是中行氏的族号。中行氏是春秋时晋国的卿大夫，中行子是中行氏的后人，中行子的后代有中行说、中行子、中行偃等。

[29] “上海·BBC：中国首例‘无罪’宣判案”<http://shanghai.xinmin.cn/xmsq/2016/04/18/29861595.html>

[30] 『蒙古帝国の“蒙古語”とその翻訳文書と翻訳者』・『蒙古帝国の“蒙古語”とその翻訳文書と翻訳者』

“”

[32] Nature AlphaGo Zero: superhuman Go player based on reinforcement learning and neural networks. *Nature*, 550(7718):359–364, 2017.